

IN THE CLAIMS

Please cancel claims 1-22 without prejudice.

Please add the following claims.

*a 4 sub C 1*  
*Cont'd*

23. (New) A pixel, comprising:

a substrate further comprising:

a generally planar surface, and

at least one protuberance from said generally planar surface; and

an impurity offset from said generally planar surface and within said

protuberance, wherein said impurity within said protuberance has a concentration increasing concurrently with a distance from said generally planar surface.

24. (New) The pixel in claim 23, wherein said impurity is located within said protuberance to the exclusion of said substrate.

25. (New) A field emission display, comprising:

an uncontaminated substrate that is at least semiconductive; and

a micro-cathode on said substrate, further comprising:

a contaminated apex, and

a decreasingly contaminated body.

26. (New) The field emission display of claim 25, wherein said micro-cathode is integral with said substrate.

27. (New) A display panel, comprising:

a generally uncontaminated substrate; and

an emitter electrode on said substrate, further comprising an apex, and further